

#### ABSTRACT OF THE DISCLOSURE

An image-pickup apparatus includes a shape-variable mirror having a deformable reflection plane. When an image-pickup unit is picking up images, a control unit controls a drive unit so as to continuously feed a drive signal in order to maintain a displacement state of the shape-variable mirror. Therefore, during photographing, by maintaining the displacement state of the shape-variable mirror, required images can be obtained while at non-required time, electric power consumption can be reduced by stopping the drive of the shape-variable mirror. Also, prior to picking up images, in order to avoid the extreme defocus of the focal position of an optical system, exposure is controlled by applying a predetermined drive signal to the shape-variable mirror, so that an object can be auto-focused in an appropriate exposure state, enabling a focal point to be correctly detected not depending on the brightness of the object.